

FIG. 1

IN-APPARATUS ASYNCHRONOUS RCA (RELAYING TYPE) 40a

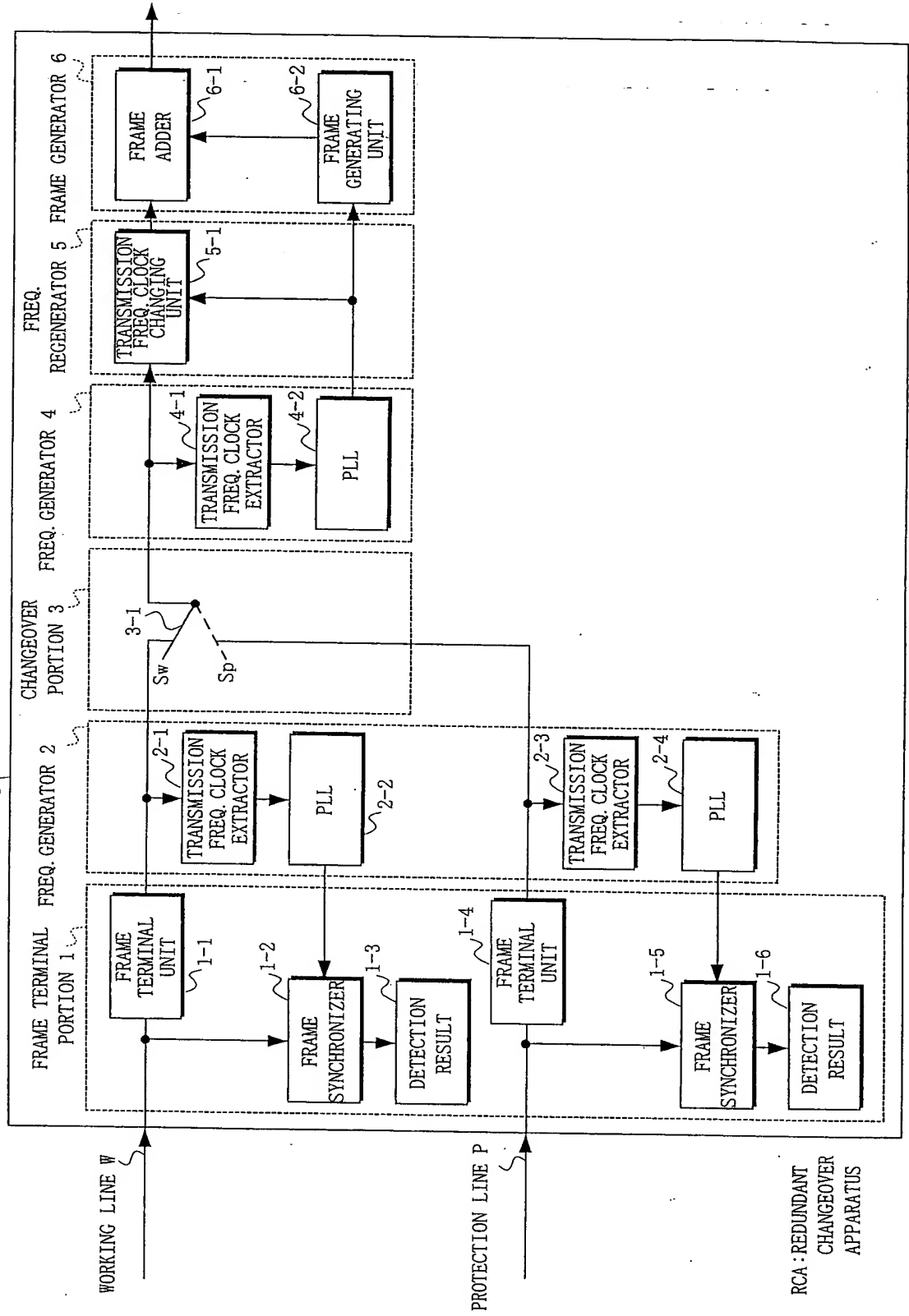


FIG. 2A

WORKING CLOCK

FIG. 2B

WORKING FRAME PHASE

RECEIVER SYNC CLOCK RCK

FIG. 2C

GRADUAL PHASE CHANGE (WS→PS)

RECEIVER SYNC CLOCK RCK

FIG. 2D

PROTECTION FRAME PHASE

RECEIVER SYNC CLOCK RCK

FIG. 2E

PROTECTION CLOCK

FIG. 2F

WDM TRANSMISSION SIGNAL

ERROR CORRECTING CODE

ERROR CORRECTING CODE

PL (PAY LOAD)

OH

OH

PL (PAY LOAD)

ERROR CORRECTING CODE

ERROR CORRECTING CODE

PL (PAY LOAD)

OH

OH

PL (PAY LOAD)

FIG. 3

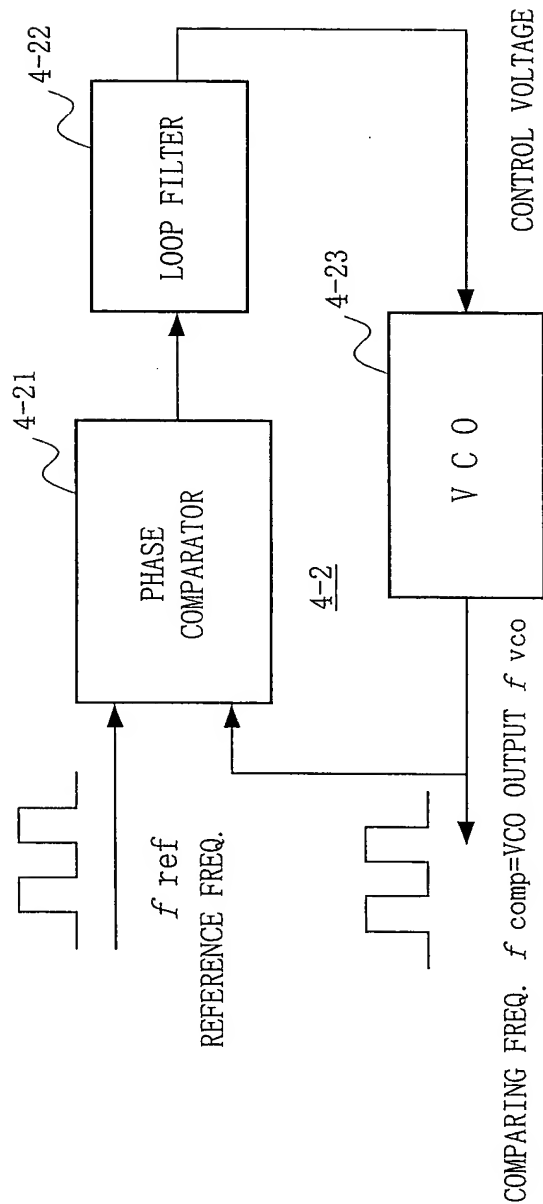


FIG. 4

IN-APPARATUS ASYNCHRONOUS RCA (DROPPING TYPE) 40b

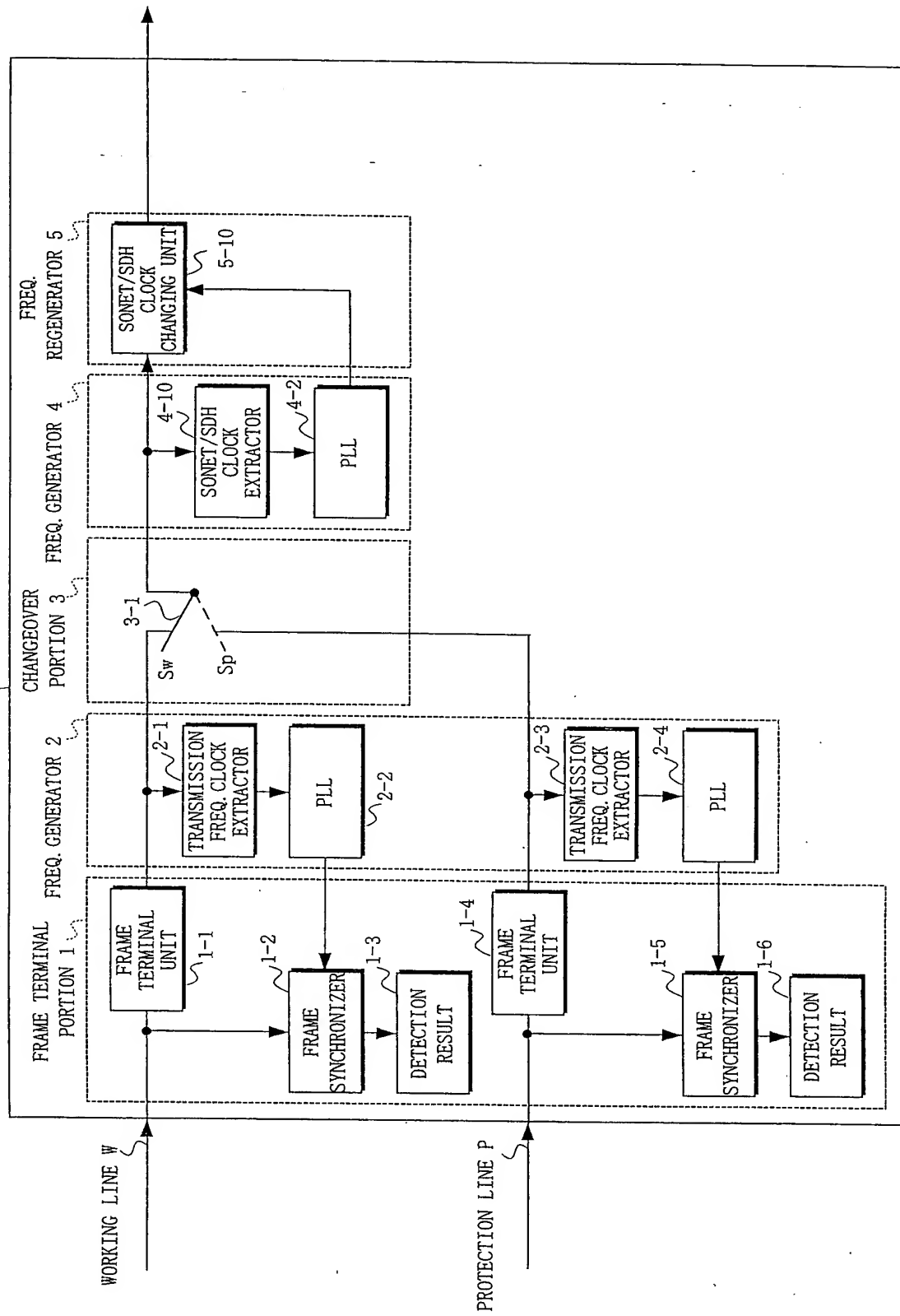


FIG. 5

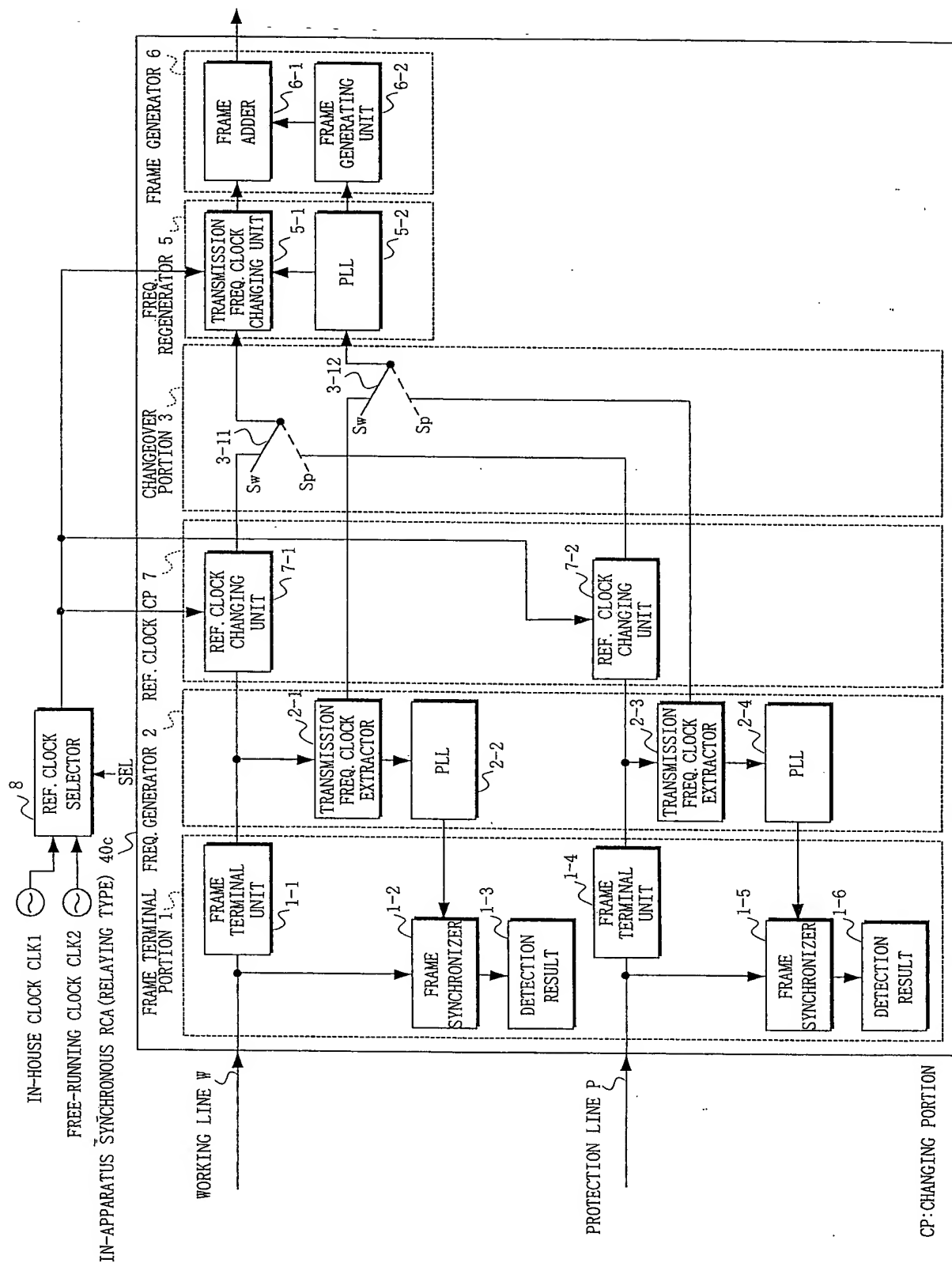


FIG. 6

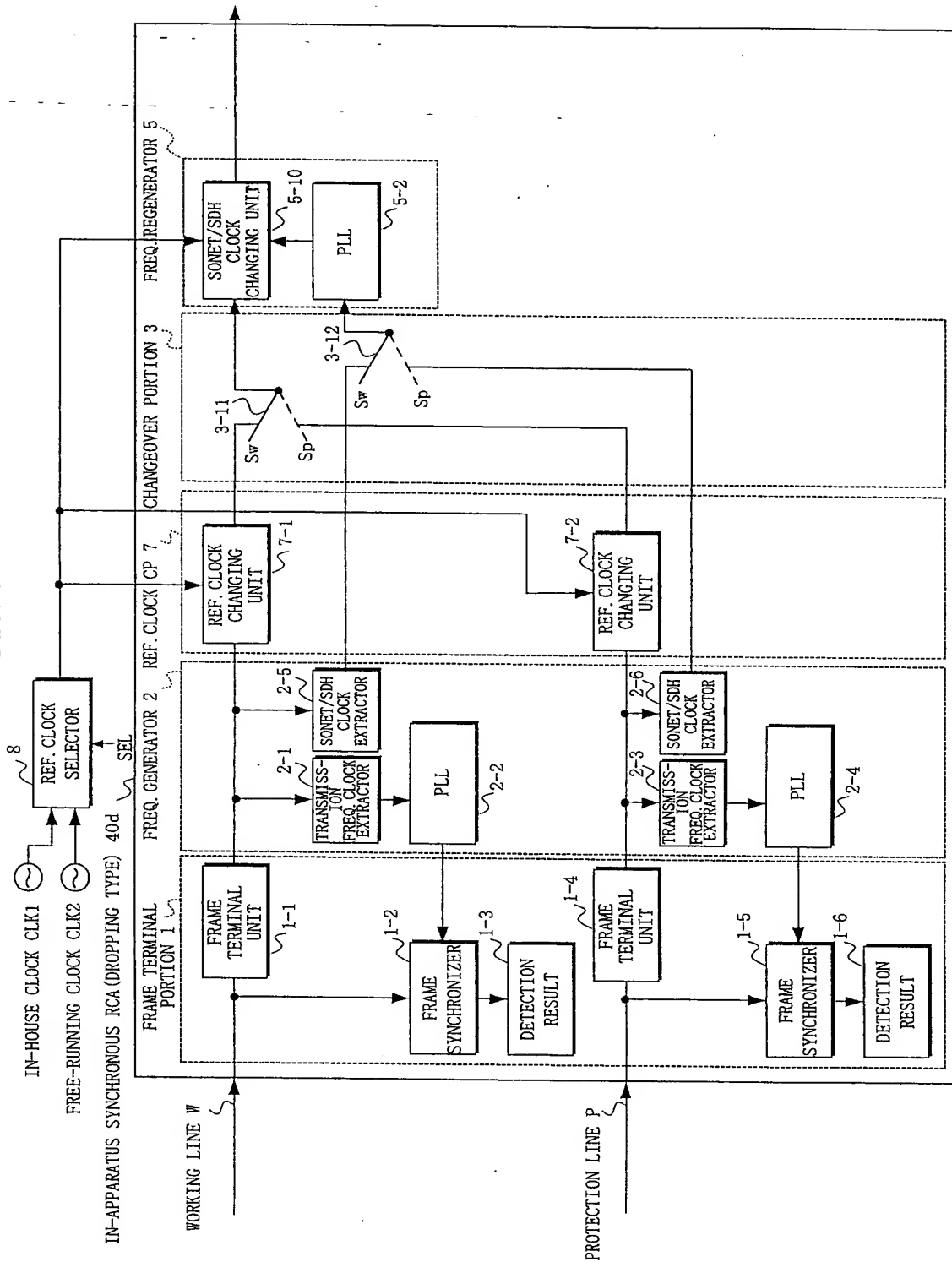


FIG. 7

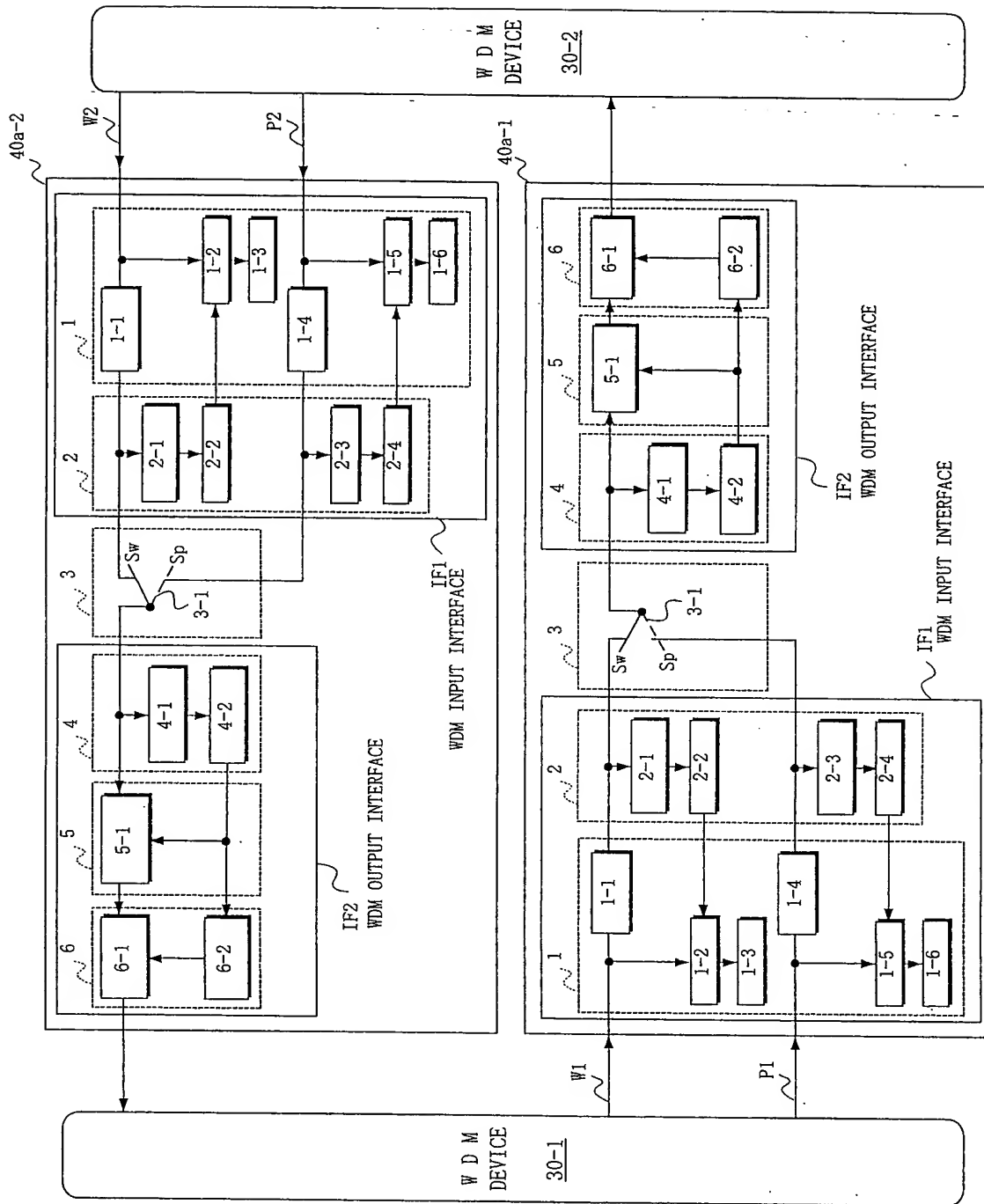


FIG. 8

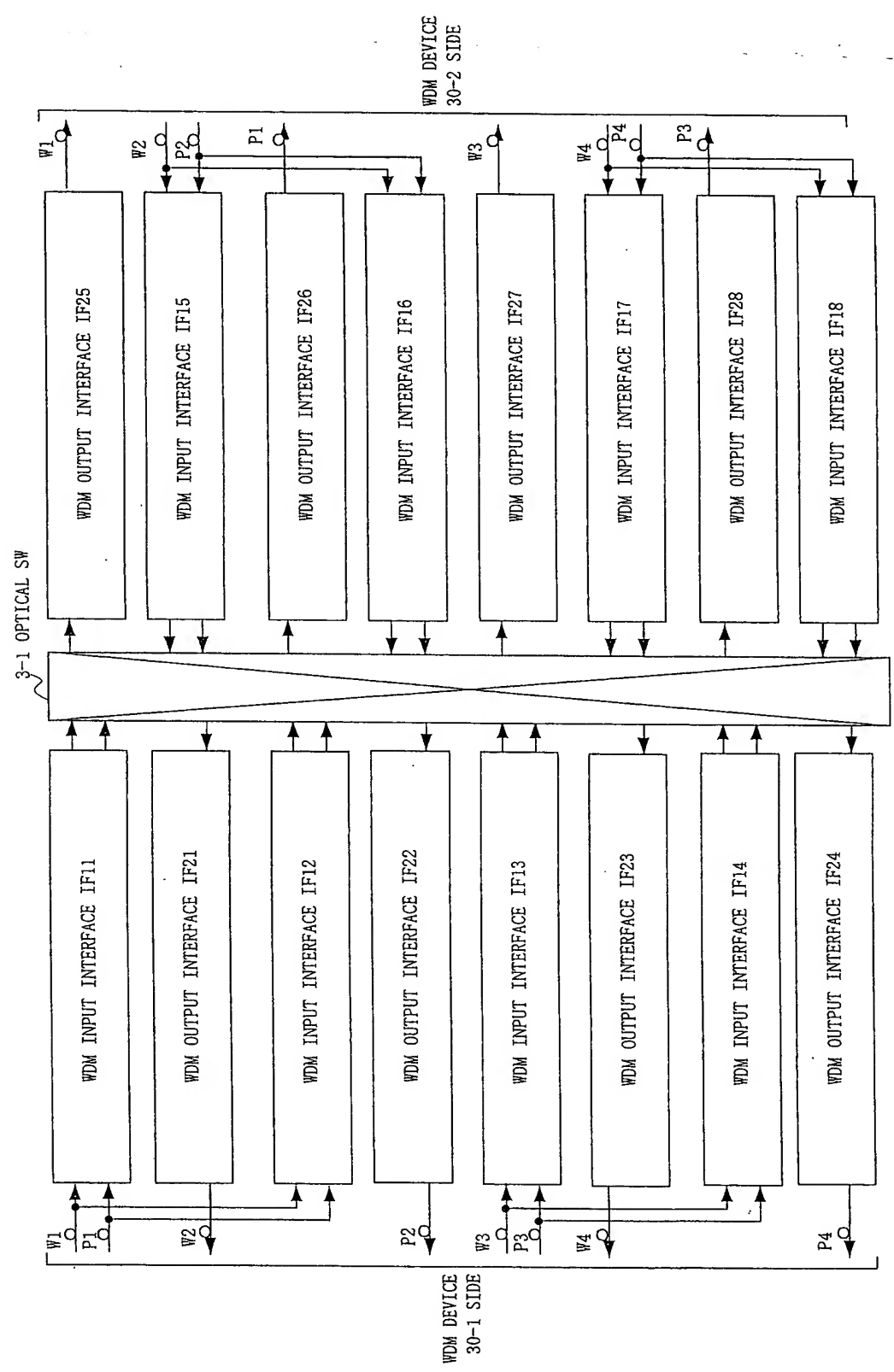




FIG. 9

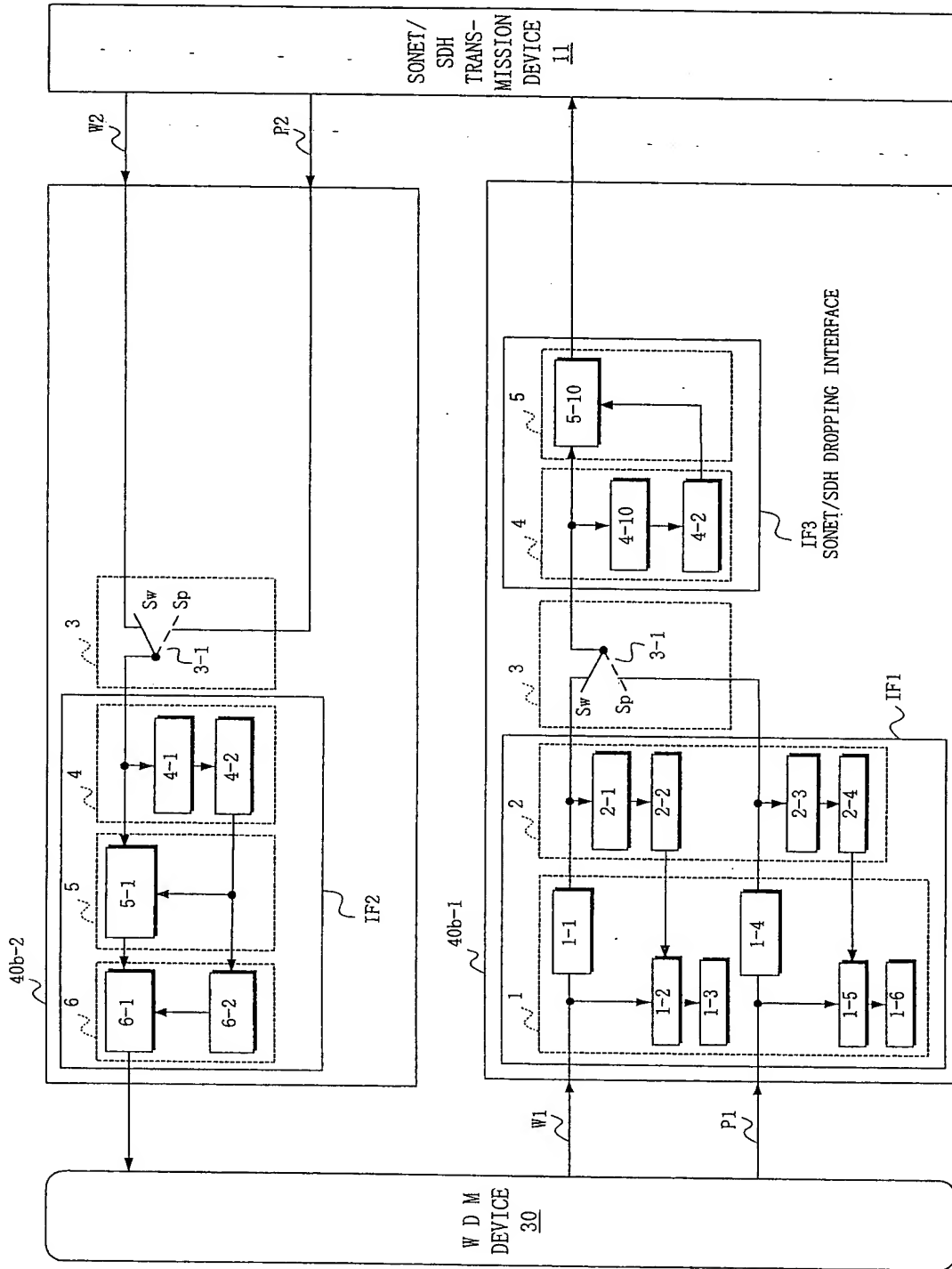


FIG. 10

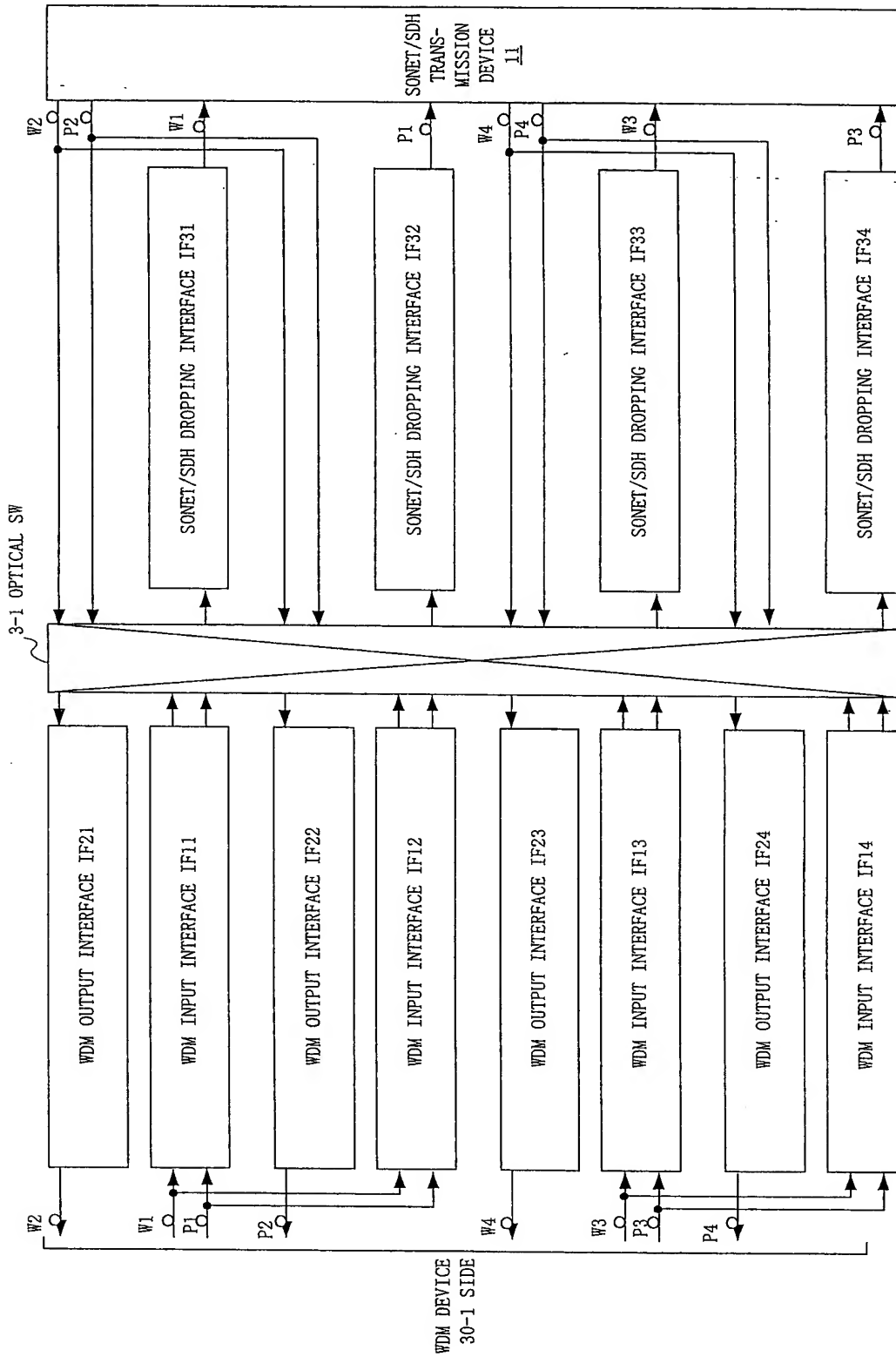


FIG. 11

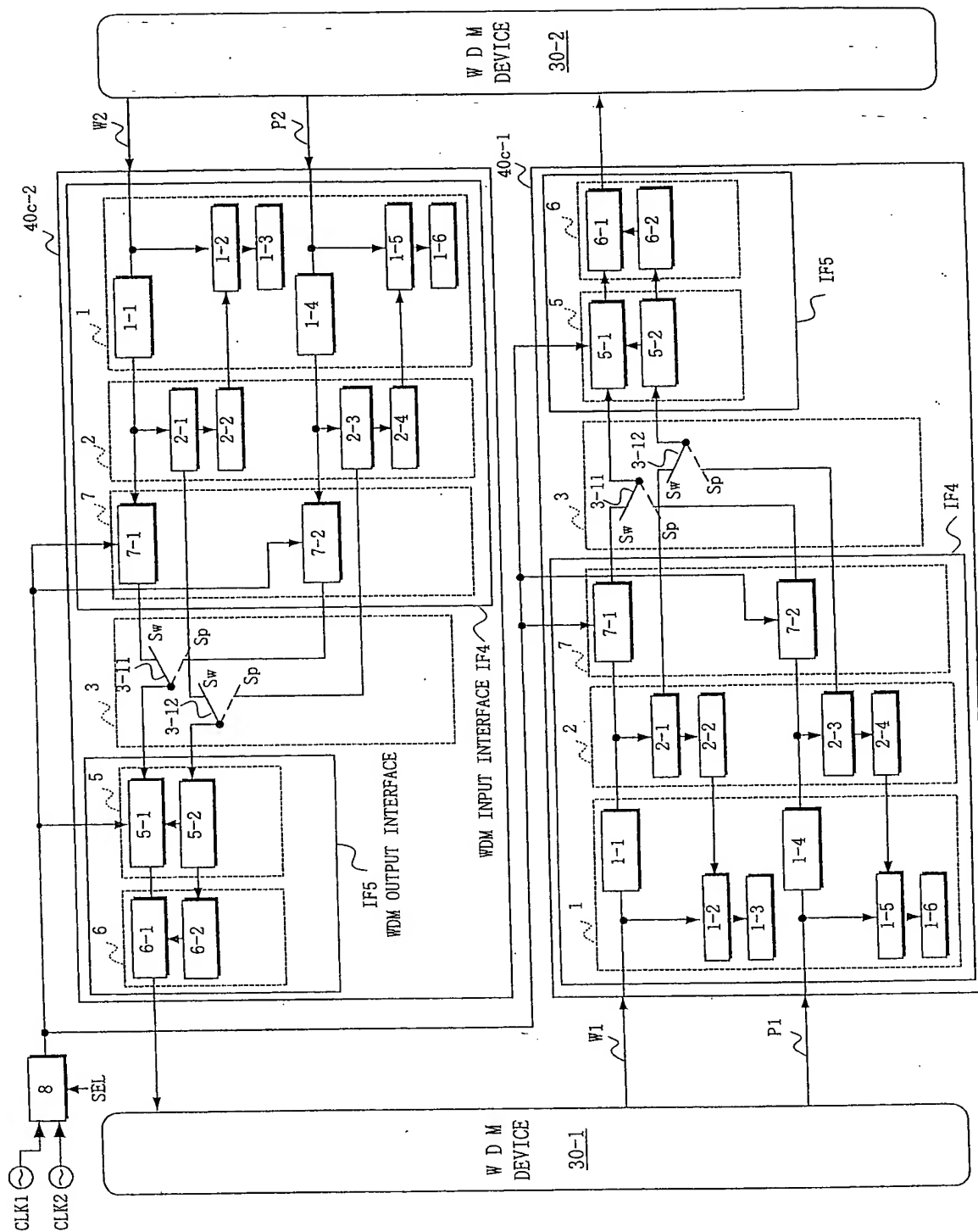


FIG. 12

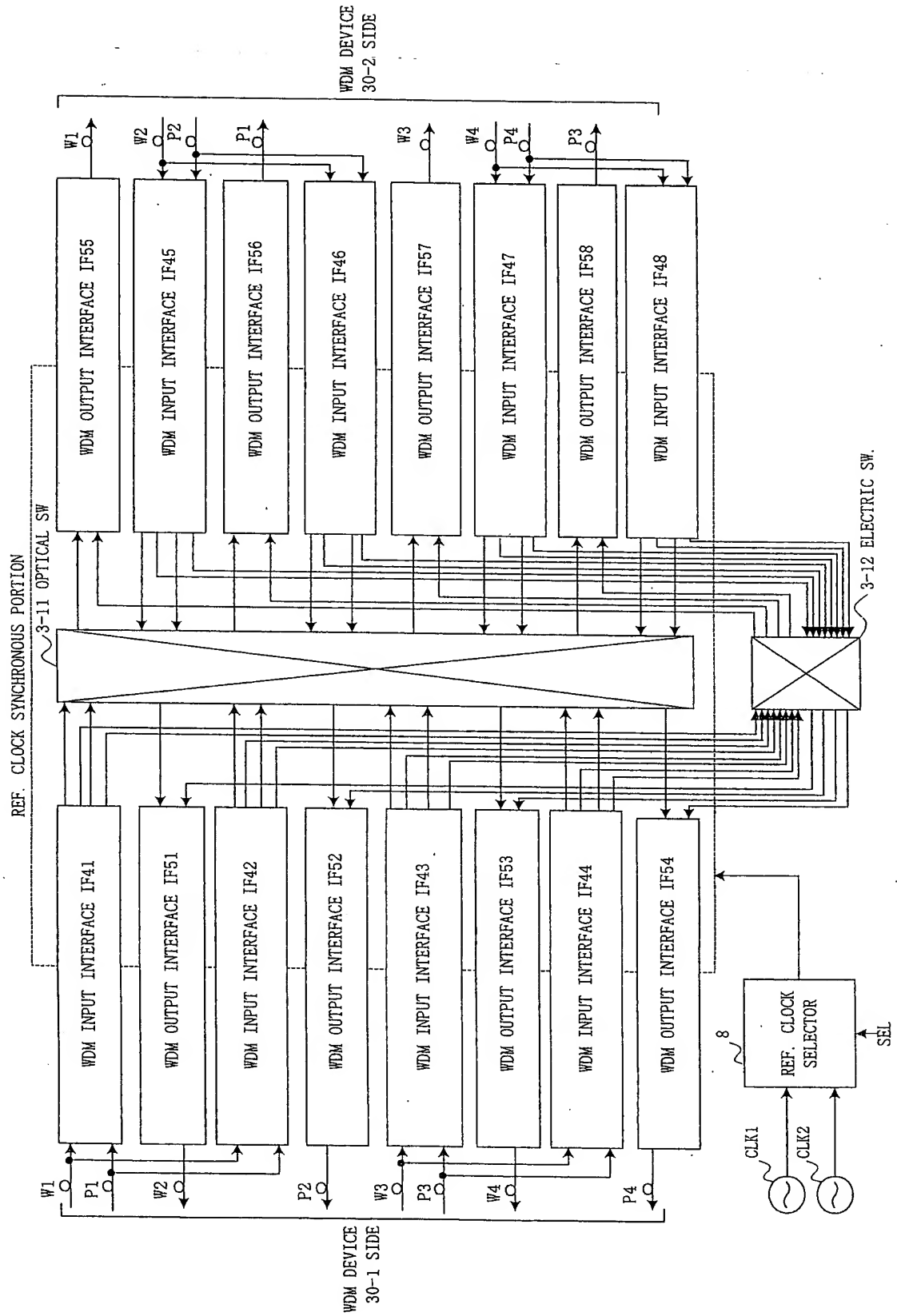


FIG. 13

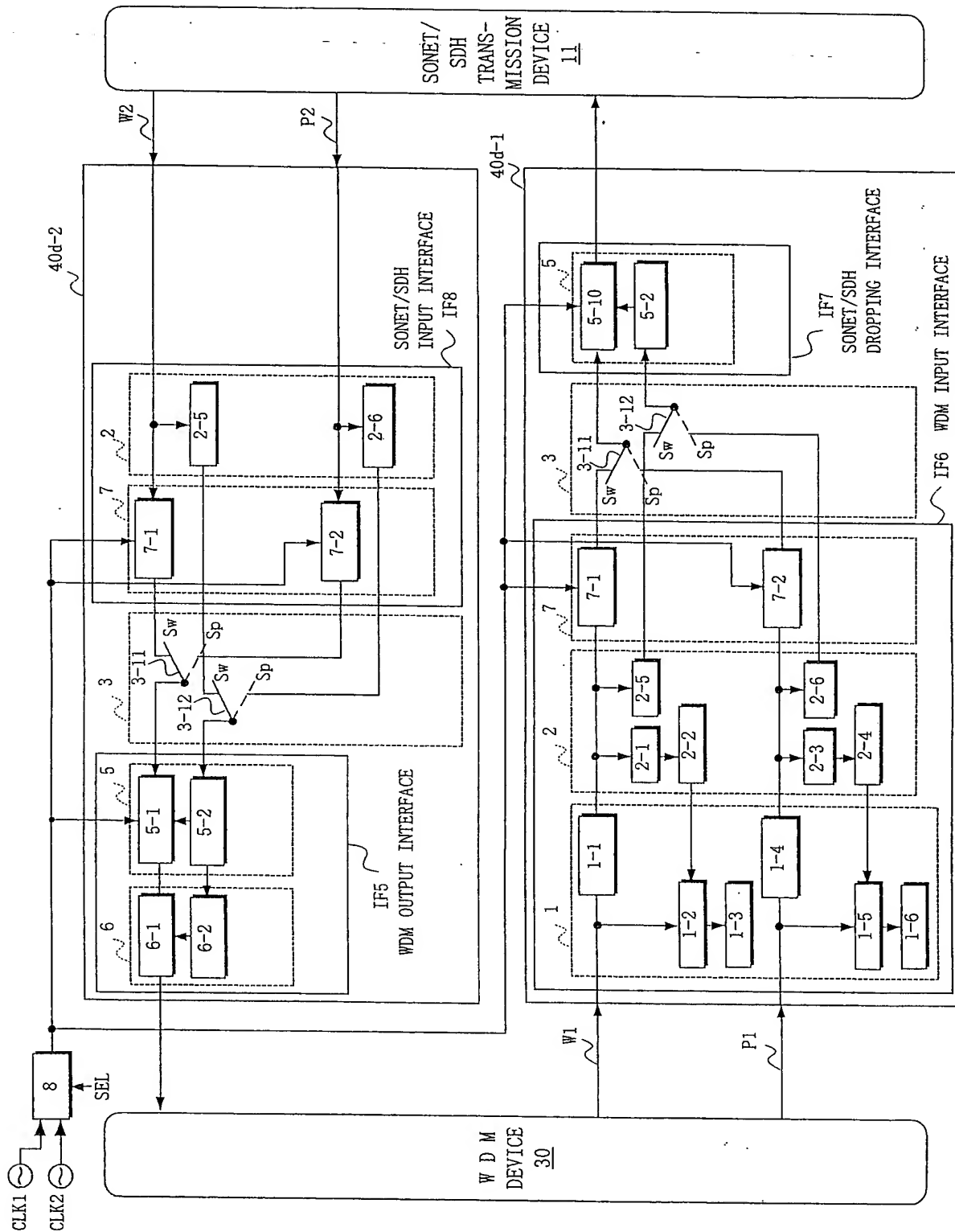


FIG. 14

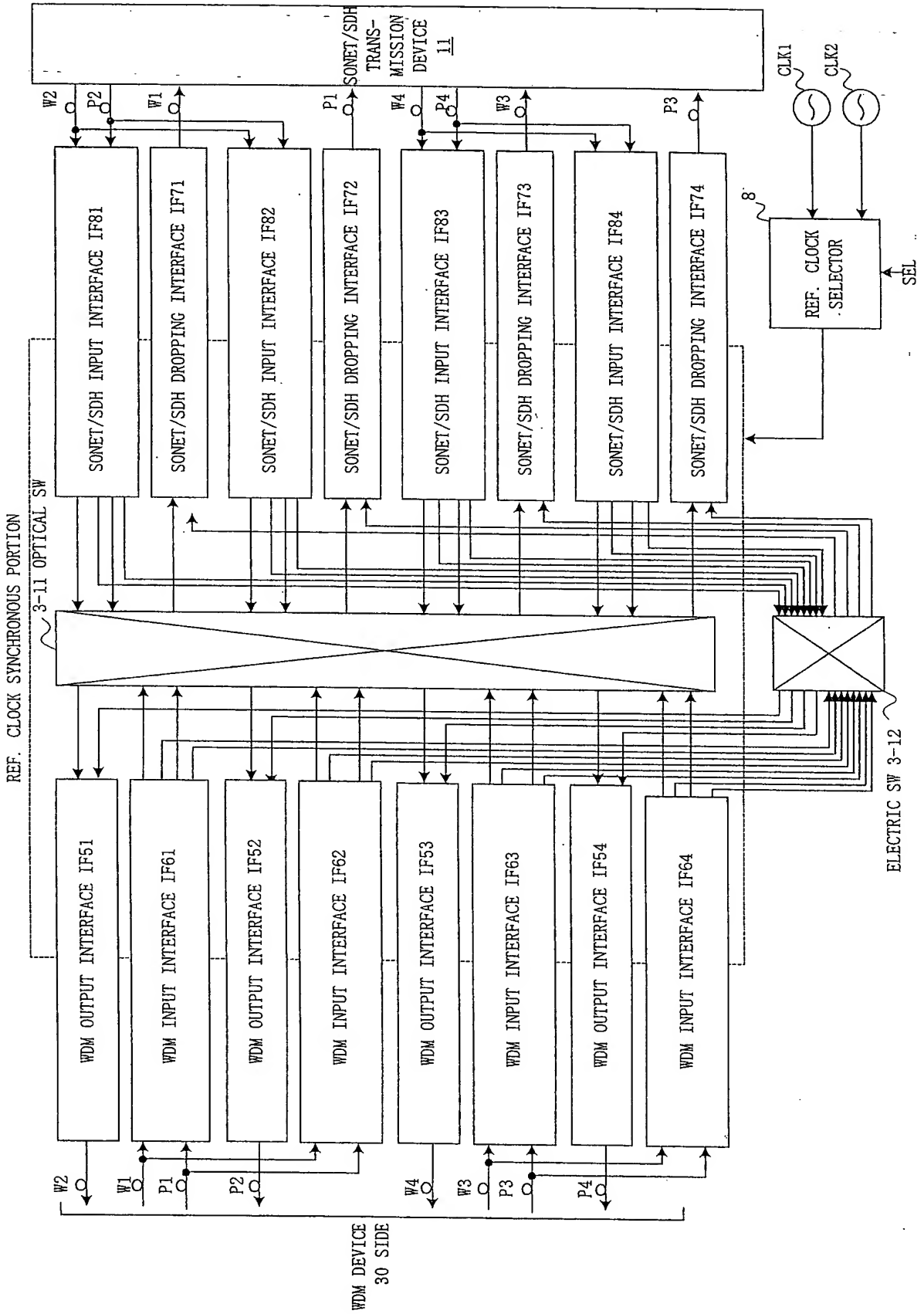
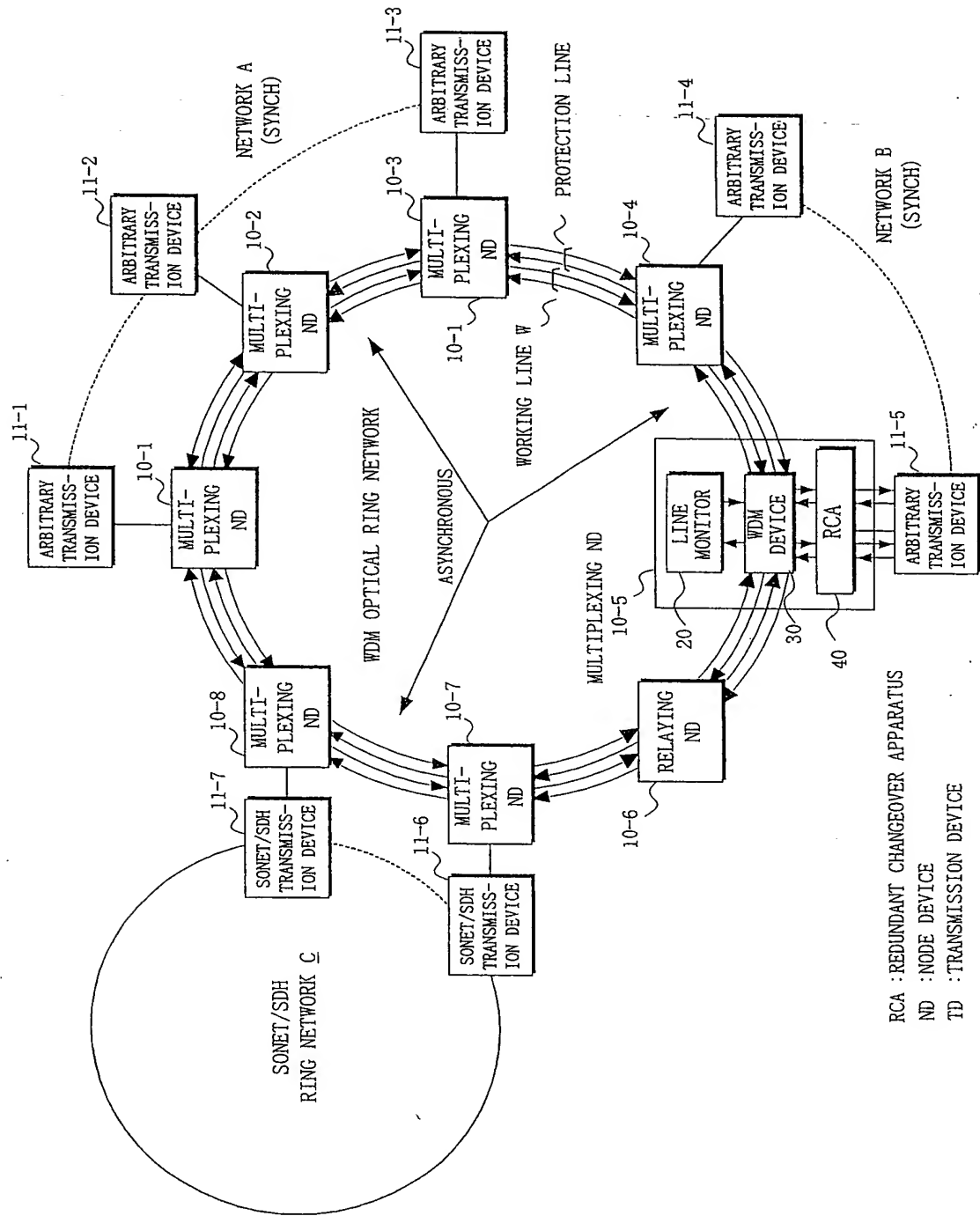
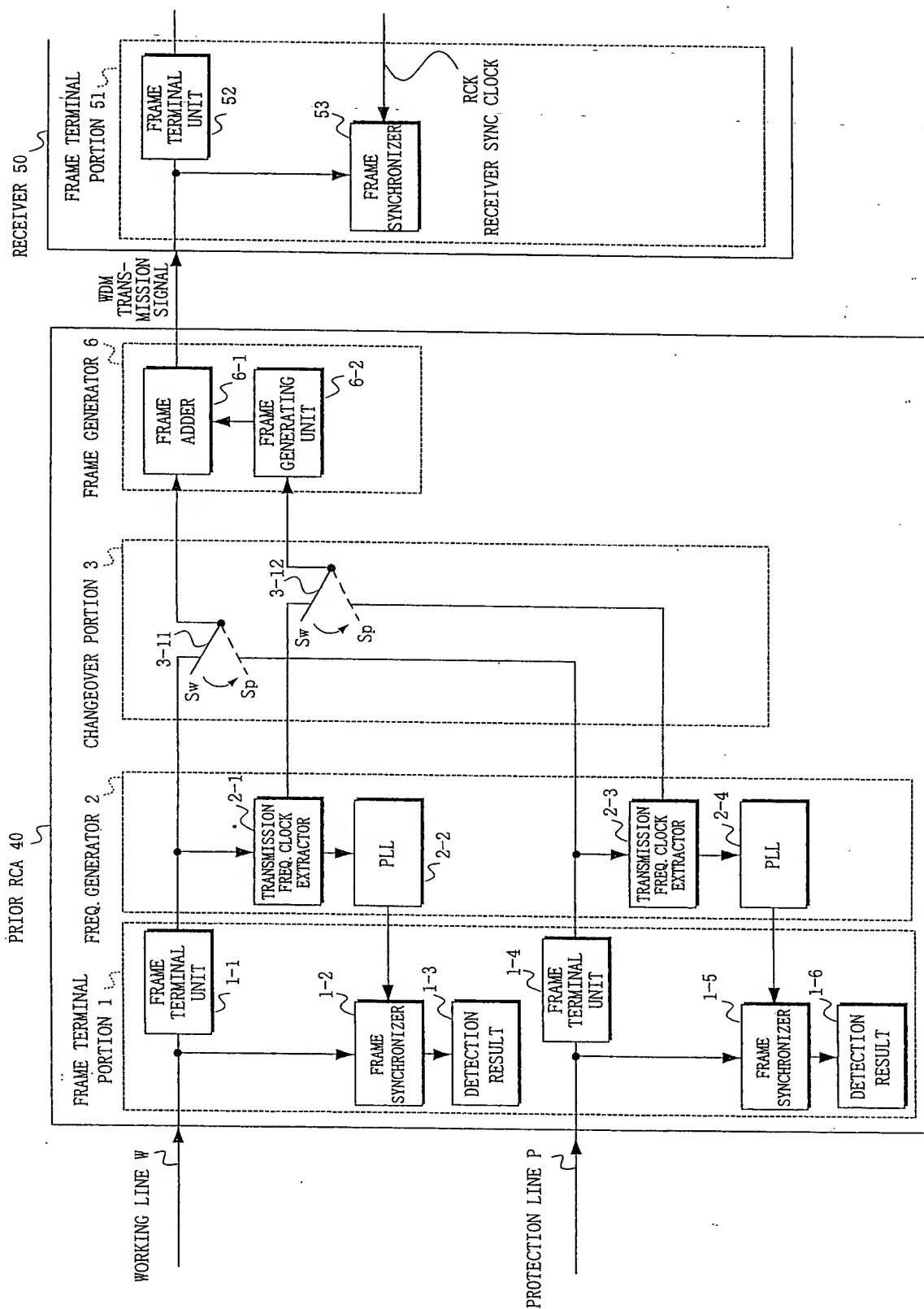


FIG. 15

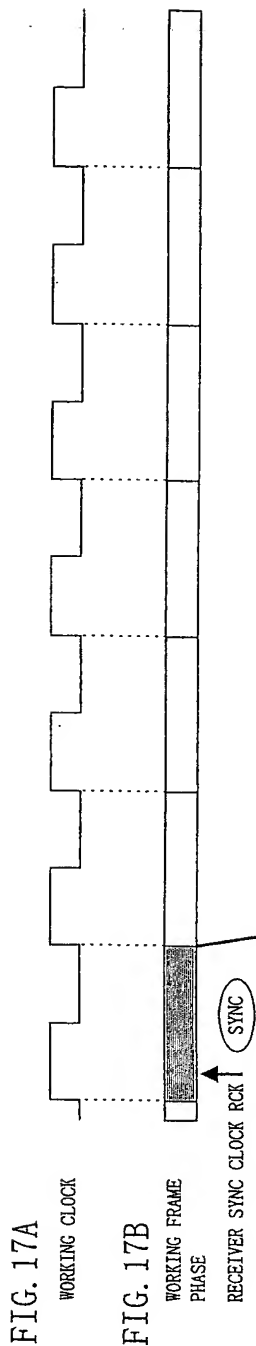


RCA : REDUNDANT CHANGEOVER APPARATUS  
 ND : NODE DEVICE  
 TD : TRANSMISSION DEVICE

FIG. 16  
PRIOR ART







INSTANTANEOUS CLOCK SHIFT (WS→PS)

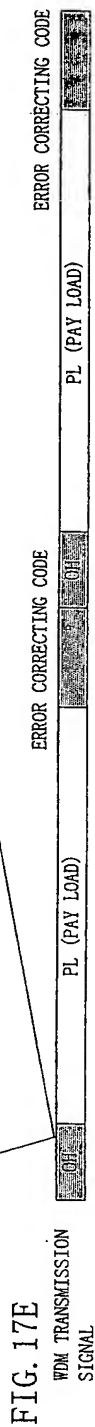
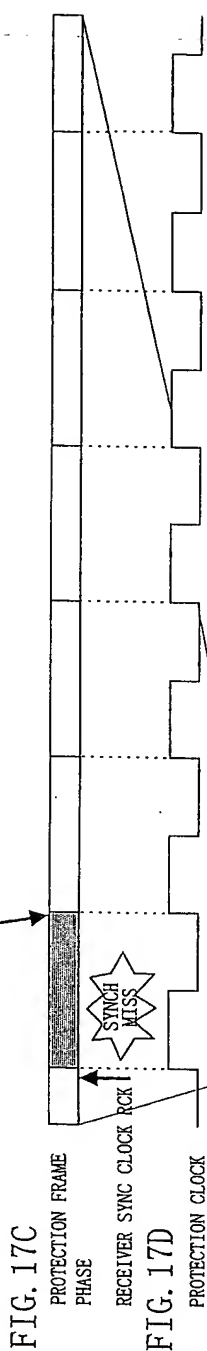


FIG. 18

